

WHAT IS CLAIMED IS:

1. A lock apparatus for attaching a container member to a support member openably, the lock apparatus comprising:

5 a operation handle;

a pair of springs, which are movably supported by the container member;

a pair of slide pins, which are urged in directions of lock holes defined on the support member by the springs,

10 respectively; and

a pair of cam members to which rear end portions of the slide pins are fitted, respectively, to urge each slide pin to project and retract, wherein:

when the operation handle is operated in a swing manner,  
15 a front end portion of each slide pin is retracted from each lock hole of the support member against pressure of each spring;

engagement holes are defined on opposed surfaces of each front end portion of the cam member having a cylindrical portion;

each rear end portion of the slide pin is formed in a  
20 bifurcated structure to have elastic pieces; and

each of elastic pieces has a protrusion for detachably engaging with each of engagement holes.

2. The lock apparatus according to claim 1, wherein  
25 the rear end portions of the slide pins are connected to the

cam members to be swingable.

3. The lock apparatus according to claim 1, wherein:  
a stopper piece is provided between the elastic pieces  
5 of each slide pin; and

an elastic contact piece for elastically contacting with  
the stopper piece is formed on a surface of each cam member,  
which corresponds to the stopper piece.

10 4. The lock apparatus according to claim 3, wherein  
a rib wall for preventing erroneous assembly is formed on a  
inner side surface of each cam member, which is opposed to the  
elastic contact piece of each cam member.

15 5. The lock apparatus according to claim 1, further  
comprising:

an outer cylindrical member continuously formed on one  
of the operation handle and the slide pin; and

20 an O-ring, which slide-contacts with the outer  
cylindrical member and the cylindrical portion of the cam member  
simultaneously.

6. The lock apparatus according to claim 5, wherein  
the cylindrical portion of the cam member includes a containing  
25 groove to which the O-ring is attached.

7. The lock apparatus according to claim 6, wherein the containing groove is formed in a recessed shape to isolate the O-ring.

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8. The lock apparatus according to claim 6, wherein: a cam groove is formed on the cylindrical portion of the cam member;

a projected portion is formed on the outer cylindrical member;

the projected portion moves in the cam groove; and the containing groove communicates with the cam groove.

9. The lock apparatus according to claim 5, wherein: the outer cylindrical member has a bottom surface; a cam groove is formed on one of the cylindrical portion of the cam member and the outer cylindrical member; and a projected portion is formed on the other of the cylindrical portion of the cam member and the outer cylindrical member;

the projected portion moves in the cam groove; the projected portion and the cam groove are disposed in a space blocked by the O-ring.

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